Introduction to data processing and image recognition using Python and TensorFlow

Workshop activity session 16
April/May 2021

Duration: 5 hours

Activity session 16 overview

The aim of this session is to further investigate TensorFlow with Python in order to read, manipulate, and data to implement the kNN algorithm.

Part 1: Data in a CSV file

Modify the Python script from session 15 to write the input dataset data generated to a CSV (comma separated values) file, and for the Python script then to read this CSV file to act as the input for model training.

Additionally, create a log text file to store information concerning the script run and results obtained.

Part 2: Session review

Ensure that all Python code developed is suitably formatted and commented. Where appropriate, follow the Python PEP 8 -- Style Guide for Python Code (https://www.python.org/dev/peps/pep-0008/).